

CLAIMS

1. Ophthalmic lens comprising an organic glass substrate, at least one abrasion-resistant coating and  
5 at least one impact-resistant primer layer inserted between the organic glass and the abrasion-resistant coating, characterized in that the impact-resistant primer layer is formed from a latex composition comprising at least one polyurethane latex and a  
10 polyurethane crosslinking agent and free of any latex which includes butadiene units.
2. Ophthalmic lens according to Claims 1, characterized in that the latex composition furthermore comprises at least one (meth)acrylic latex.
- 15 3. Ophthalmic lens according to Claim 2, characterized in that the (meth)acrylic latex represents 10 to 90%, preferably 10 to 60% and even better 40 to 60% of the total weight of the latices present in the composition.
- 20 4. Ophthalmic lens according to to Claim 3, characterized in that the (meth)acrylic latex is a styrene-acrylate copolymer latex.
5. Ophthalmic lens according to any one of the preceding claims, characterized in that the  
25 crosslinking agent is present in an amount of 0.1 to 5% by weight with respect to the weight of the latex.
6. Ophthalmic lens according to any one of the preceding claims, characterized in that the crosslinking agent is chosen from polyfunctional  
30 aziridines, (methoxymethyl)melamine resins, urea resins, carbodiimides, polyisocyanates and blocked polyisocyanates.
7. Ophthalmic lens according to any one of the preceding claims, characterized in that it includes a  
35 single primer layer on the front face or on the rear face of the substrate, preferably on the rear face of the substrate.

8. Ophthalmic lens according to Claim 7, characterized in that it includes an abrasion-resistant coating applied to both faces of the lens.

5 9. Ophthalmic lens according to Claim 8, characterized in that it includes an anti-reflection coating deposited on the abrasion-resistant coating of each of the faces of the lens.

10 10. Ophthalmic lens according to any one of Claims 1 to 6, characterized in that it includes a primer layer and an abrasion-resistant layer which are deposited on the front face and the rear face of the substrate.

15 11. Ophthalmic lens according to Claim 10, characterized in that it includes an anti-reflection coating deposited on the abrasion-resistant coatings.

12. Process for manufacturing an ophthalmic lens, characterized in that it comprises:

20 - depositing a latex composition as defined in any one of Claims 1 to 6 on at least one face of the organic glass substrate;

- curing the latex composition at a temperature of at least 70°C in order to form the impact-resistant primer layer or layers; and

25 - depositing an abrasion-resistant coating on the impact-resistant primer layer or layers obtained.

13. Process according to Claim 12, characterized in that it furthermore includes the deposition of an anti-reflection coating on the abrasion-resistant coating or coatings.